

94-RF08547

EG&G ROCKY FLATS

AL, M.E.		lit	ENC
NGAME, A.H.	X		
Y, W.S.			
CH, D.B.			
IVAL, G.J.			
J.J.G.			
ERA, D.W.			
R.E.			
J.A.			
ER, W.S.			
N, P.M.			
I, B.J.			
IAN, L.K.			
Y, T.J.			
HL, T.			
S, J.G.			
HINS, N.M.			
SON, D.T.			
R.E.			
TER, A.W.			
G.E.			
NALD, M.M.			
NNA, F.G.			
ROSE, J.K.			
SAN, R.V.			
ER, G.L.			
TO, G.L.			
G, T.L.			
ULIN, N.B.			
VARTZ, J.K.			
OCK, G.H.			
VART, D.L.			
ER, S.G.	X		
J, P.M.			
REIS, G.M.			
ON, J.M.			
ose, A.L.		✓	
zh, k		✓	
RES CONTROL	X	X	
N RECORD/0800	(2)		
FIC			
VT130G			
SIFICATION:			
CLASSIFIED			
IDENTIAL			
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FORIZED CLASSIFIER			
SIGNATURE			
ENT CLASSIFICATION			
NEW WAIVER PER			
REGISTRATION OFFICE			

EG&G ROCKY FLATS, INC.

ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

August 18, 1994

94-RF-08547

Jessie M. Roberson

Environmental Restoration Division

DOE/RFFO

EG&G ROCKY FLATS, INC. OPERABLE UNIT 1 INTERIM MEASURE/INTERIM
REMEDIAL ACTION FRENCH DRAIN PERFORMANCE MONITORING PLAN (07296)
- SGS-442-94

Action: None required

We recently performed an evaluation of water sampling results from the monitoring wells adjacent to the French Drain at Operable Unit (OU)1, surface water collection areas supporting the French Drain and the French Drain Collection System, which includes the 881 Footing Drain, French Drain Sump and Collection Well CW001. The evaluation is based on quarterly sampling results for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), metals, radionuclides, anions and pesticides/Polychlorinated Biphenyls (PCBs) and monthly sampling results of the groundwater wells for total organic halogens as required by the Interim Measures/Interim Remedial Action (IM/IRA) French Drain Performance Monitoring Plan (PMP). The PMP also states that the validated analytical results should be evaluated to determine if classes of compounds can be eliminated from the analytical suite in future sampling events.

The 881 Footing Drain, French Drain Sump, Collection Well (CW001), groundwater wells 10592, 10692, 10792 and surface water collection sites SW035, SW036, SW038 and SW070 are used to monitor the performance of the French Drain. Validated data from March, 1992 to June, 1994 were available for the evaluation. The data indicate no SVOC detections in all cases and no PCB detections in the French Drain Collection System and ground water wells. In addition, the total organic halogens standardized by the Colorado Department of Health for groundwater include only Bromoform, Bromodichloromethane, Chloroform and Dibromochloromethane, which are individually sampled for under the VOC requirements (5CCR 1002-8). The Enclosure provides details of the results and conclusions from this study.

In order to reduce the analytes to those which are necessary and sufficient, EG&G recommends discontinuing the testing of the above-mentioned groundwater wells for total organic halogens. In addition, EG&G recommends eliminating PCBs and SVOCs from the analytical suite for the French Drain Collection System and the ground water wells. This reduction in sampling requirements will result in a significant cost and resource savings to the operation of the IM/IRA at OU 1.

Please feel free to call R. Hinsch at extension 8509 if you have any questions or concerns.


S. G. Stiger, Director
Environmental Restoration Program Division

COPY TO RFP CC NO:

RH:tjr

TION ITEM STATUS

Orig. and 1 cc - J. M. Roberson

OPEN ☐ CLOSEDAttachment:
As Stated☐ PARTIAL

APPROVALS:

BY: ALP:ALP
& TYPIST INITIALS

CC:

S. R. Grace - DOE/RFFO

T. Reeves - " "

M. N. Silverman - " "

L. W. Smith - " "

489 (Rev. 07/94)

Justification of Recommendations

Testing Location	Recommendation	Justification
881 Footing Drain French Drain Sump CW001 10592 10692 10792 SW035 SW036 SW038 SW070	Eliminate SVOCs from analytical suite.	No detections to date. Not determined to be contaminant at OU 1 except in Surface Soils. ¹
881 Footing Drain French Drain Sump CW001 10592 10692 10792	Eliminate PCBs from analytical suite.	No detections to date. Not determined to be contaminant at OU 1 except in Surface Soils. ¹
10592 10692 10792	Eliminate Total Organic Halogens from analytical suite.	Halomethanes identified by CDH to be standards for groundwater include only Bromoform, Bromodichloromethane, Chloroform and Dibromochloromethane. ² These halomethanes are all individually sampled for under the VOC requirements. (These would not be affected by eliminating the SVOCs as a class of compounds.)

¹Final Phase III RFI/RI, Rocky Flats Plant 881 Hillside Area, Section 4 and Appendix D

²Basic Standards for Ground Water, 3.11.0 (5 CCR 1002-8)